



PRELIMINARY PROGRAM  
1st edition PhD International Intensive Course on  
**TOWARDS ZERO EMISSIONS MOBILITY**  
**A Hydrogen Scenario**

Federico II Conference Center  
Via Partenope  
Napoli

### Sunday October 6th

|             |                         |
|-------------|-------------------------|
| 16:00-18:00 | <b>Welcome Cocktail</b> |
| 17:00-18:00 | <b>Registration</b>     |

### Monday October 7th

| Time        |   |
|-------------|---|
| 8:30-9:30   | <b>Registration</b>   |
| 9:30-11:00  | <b>COURSE OPENING GREETINGS<br/>INTRODUCTION TO THE COURSE</b>  |
| 11:00-11:30 | <b>Coffee break</b>   |
| 11:30-13:00 | <b>Implications of Energy transition on firms and the economy</b><br>Prof. Andreas Löschel<br>Ruhr-Universität Bochum |
|             | <b>Light Lunch</b>  |
| 14:00-16:00 | <b>Sustainable mobility management</b><br>(to be defined)   |

### Tuesday

| Time        |   |
|-------------|---|
| 8:30-10:30  | <b>Hydrogen flame technology for sustainable combustion (I)</b><br><b>Prof. Ivan Langella</b><br>Technical University Delft   |
| 10:30-11:00 | <b>Coffee Break</b>   |
| 11:00-13:00 | <b>Hydrogen Storage &amp; Distribution: Status, Perspectives, and Industrial Applications (I)</b><br><b>Prof. Timothee Pourpoint</b><br>Purdue University   |
| 13:00-14:00 | <b>Light Lunch</b>  |
| 14:00-16:00 | <b>Machine Learning Methods and Applications for High-Dimensional Multi-Modal Data (I)</b><br><b>Prof. Kamran Paynabar</b><br>(H. Milton Stewart School of Industrial & Systems Engineering, Georgia Institute of Technology) |
| 16:00-16:30 | <b>Coffee Break</b>   |
| 16:30-18:00 | <b>Hydrogen flame technology for sustainable combustion (II)</b>  |

*Prof. Ivan Langella*

## Wednesday

| Time (h)    |   |  |  |  |
|-------------|---|--|--|--|
| 8:30-10:00  | <b>Hydrogen Storage &amp; Distribution: Status, Perspectives, and Industrial Applications (II)</b><br>Prof. Timothee Pourpoint                  |  |  |  |
| 10:30-11:00 | Coffee Break  |  |  |  |
| 11:00-13:00 | <b>Applications</b><br>Prof. I. Langella  | <b>Applications</b><br>Prof. I. Langella | <b>Applications</b><br>Prof T. Pourpoint | <b>Applications</b><br>Prof T. Pourpoint |
| 13:00-14:30 | Light Lunch   |  |  |  |
| 14:30-15:30 | <b>"A SUSTAINABLE POWERTRAIN FOR REACHING NET-ZERO CARBON EMISSIONS"</b><br>Eng. Alberto Vassallo – Eng. Francesco Pesce<br>Dumarey Engineering |  |  |  |
| 15:30-16:30 | Coffee Break  |  |  |  |
| 16:30-17:30 | Industrial Engineering Department PhD Poster Session  |  |  |  |
| 17:30-19:30 | Visit to IED Laboratories   |  |  |  |

## Thursday

| Time (h)     |  |
|--------------|--|
| 8:30 – 10:30 | <b>Machine Learning Methods and Applications for High-Dimensional Multi-Modal Data (II)</b><br>prof. Kamran Paynabar |
| 10:30-11:00  | Coffee Break   |
| 11:00-13:00  | Applications   |
| 13:00-14:00  | Light Lunch  |
| 14:00-16:00  | Applications   |
| 16:00-16:30  | Coffee Break   |
| 16:30-18:00  | Applications   |

**SOCIAL DINNER**

## Friday

| Time (h)    |                            |
|-------------|----------------------------|
| 8:30-10:30  | Discussion of Applications |
| 10:30-11:00 | Coffee Break               |
| 11:00-12:30 | Discussion of Applications |
|             | Light Lunch                |
| 13:30-15:00 | Discussion                 |
| 15:00-15:30 | Coffee Break               |

|                    |                      |
|--------------------|----------------------|
| <b>15:30:17:00</b> | <b>FINAL REMARKS</b> |
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**Saturday**

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| <b>SOCIAL PROGRAM (VISIT TO POMPEII RUINS)</b> |
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